

<b>X2B SAFETY CHECKLIST</b>			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
<b>Rev: A</b>	<b>Effective: 6/23/03</b>	<b>Page 1 of 1</b>	Number: LS-SCL- 0005
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Original signatures on file.

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- ☐ 1. Valid padlock checklist located on Beamline yellow board

Checkpoints on X1 side:

- ☐ 2. Lead bricks as per photo (near shield wall)
- ☐ 3. Bellows #1 shielded and banded
- ☐ 4. Scatter shield on beam pipe and cross section as per photo
- ☐ 5. Scatter shield including shielding on Aperture #1 as per photo
- ☐ 6. Bremsstrahlung shield #1 (BS #1) as per photo
- ☐ 7. Bellows shield #2 and spool piece
- ☐ 8. Scatter shields including cross section as per photo

Checkpoints on X3 side:

- ☐ 9. Aperture #2 shielding
- ☐ 10. Bremsstrahlung shield #2 (BS #2) as per photo
- ☐ 11. Bellows shield #3 and spool piece
- ☐ 12. Pinhole actuator shielding as per photo
- ☐ 13. Aperture #3 and scatter shielding as per photo
- ☐ 14. Bremsstrahlung shield #3 (BS #3) as per photo
- ☐ 15. Bellows shield #4
- ☐ 16. Flange caps and cross section shielding as per photo
- ☐ 17. He Bubbler (bubble rate of one bubble per second)
- ☐ 18. Be Window #1 and scatter shielding as per photo

Checkpoints inside X2B hutch:

- ☐ 19. Bellows shield upstream monochromator (lead sheet)
- ☐ 20. Monochromator lead-lined container in place in hutch
- ☐ 21. Monochromator back scatter shielding (downstream monochromator)
- ☐ 22. Bremsstrahlung shield # 4, Beam Dump (rear wall inside X2B hutch)

Checkpoints inside X2A hutch:

- ☐ 23. Bremsstrahlung shield #5 (front wall inside X2A hutch)
- ☐ 24. Radiation shield (aluminum clad lead sheet)

Checked by: \_\_\_\_\_ Date: \_\_\_\_\_

OPCO: \_\_\_\_\_ Date: \_\_\_\_\_